

**METHOD OF MANUFACTURE OF AN OPTICAL WAVEGUIDE ARTICLE
INCLUDING A FLUORINE-CONTAINING ZONE**

ABSTRACT

- 5 A method for manufacturing an optical article including the steps of providing a substrate tube; forming one or more cladding layers inside the substrate tube, the one or more cladding layers including an innermost cladding layer; forming a concentric fluorine reservoir adjacent to the innermost cladding layer; and forming a core adjacent to the fluorine reservoir and concentric with the one or more outer cladding layers. The fluorine
- 10 concentration in the fluorine reservoir is higher than the fluorine concentration in either the core or the innermost cladding layer.

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